CURRICULUM VITAE

S. Natasha Beretvas
Associate Professor, Chair
Quantitative Methods Area
Department of Educational Psychology
1 University Station, D5800
The University of Texas at Austin

Education

Doctor of Philosophy	Measurement, Statistics & Research Design University of Washington	2000
Master of Education	Measurement, Statistics & Research Design University of Washington	1997
Bachelor of Science	Mathematics / Psychology double major . Duke University	1989

Professional Experience

Associate Professor **Chair**	Quantitative Methods Program Department of Educational Psychology The University of Texas at Austin	2006- ongoing
Assistant Professor	Quantitative Methods Program Department of Educational Psychology The University of Texas at Austin	2000-2006
Research Assistant	Department of Educational Psychology University of Washington	1999-2000
Instructor	Department of Educational Psychology University of Washington	1996-1998
Teaching Assistant	Department of Educational Psychology University of Washington	1995-2000
Programmer	IBM Kingston, New York	1989-1994

Professional Memberships

American Educational Research Association (AERA)
- Division D
- Hierarchical Linear Modeling (HLM) Special Interest Group (SIG)
- Structural Equation Modeling SIG
- Educational Statisticians SIG

National Council on Measurement in Education (NCME)
American Psychological Association (APA)

Research, Publications, and Other Scholarly Activities

Book Chapters

Beretvas, S. N. (2010). Cross-classified and multiple membership models. In J. Hox & J. K. Roberts (Eds.), *The handbook of advanced multilevel analysis* (pp. 313-334). New York: NY: Routledge.

Beretvas, S. N. (2010). Meta-analysis. In G. R. Hancock & R. Mueller (Eds.) *Quantitative Methods in the Social and Behavioral Sciences: A Guide for Researchers and Reviewers* (pp. 255-263). New York: NY: Routledge.

Beretvas, S. N.., Keith, T. Z., & Carlson, C. (2010). Methodological issues in family-school partnership research. In S. L. Christenson & A. L. Reschly (Eds.). *The Handbook of School-Family Partnerships for Promoting Student Competence* (pp. 420-447), New York, NY: Routledge.

Beretvas, S. N. (2008). *Cross-Classified Random Effects Models*. In A. A. O'Connell & D. Betsy McCoach (Eds.), Multilevel Modeling of Educational Data (pp. 161-197). Charlotte, SC: Information Age Publishing.

Machalicek, W., Davis, T., O'Reilly, M., Beretvas, S. N. et al. (2008). Teaching social skills in school settings. In Luiselli, J., Russo, D., Christian, W., & Wilczynski, S. (Eds.), *Effective practices for children with autism: Educational and behavioral support interventions that work* (pp. 269-298). Oxford: University Press.

Beretvas, S. N., & Kamata, A. (2007). Introduction to the special section on the multilevel measurement model for dichotomous items. Accepted for publication in E. Smith & R. Smith (Eds.) *Rasch Measurement: Advanced and Specialized Applications* (pp. 291-302), JAM Press.

Beretvas, S. N., Meyers, J. L., Rodriguez, R. A. (2007). The cross-classified multilevel measurement model: An explanation and demonstration. In E. Smith & R. Smith (Eds.) *Rasch Measurement: Advanced and Specialized Applications* (pp. 405-434), JAM Press.

Sailors, M., Hoffman, J. V., Pearson, P. D., Matthe, B., & Beretvas, S. N. (2007). "Learning to read with READ: Testing the effectiveness the "Learning for Living" project". In C. S. Sunal and K. Mutua (Eds.) *Research on Education in Africa, the*

Caribbean, and the Middle East (pp. 121-144). Greenwich, CN: Information Age Press.

Beretvas, S. N. (2007). An Introduction to Hierarchical Linear Modeling. Invited chapter accepted for publication in the Fifth Edition of J. P. Stevens' *Applied Multivariate Statistics for the Social Sciences*, (pp. 321-359). Lawrence Erlbaum Associates, Mahwah, NJ.

Articles

Grady, M., & Beretvas, S. N. (2010). Incorporating student mobility in achievement growth modeling: A cross-classified multiple membership growth curve model. *Multivariate Behavioral Research, 45*, 393-419.

Reynolds, M. R., & Keith, T. Z., & Beretvas, S. N. (2010). Use of factor mixture modeling to capture Spearman's law of diminishing returns. *Intelligence, 38*, 231-241.

Sailors, M., Hoffman, J. V., Pearson, P. D., Beretvas, S. N., & Matthee, B. (2010). The Effects of First and Second Language Instruction in South African Rural Schools. *Bilingual Research Journal, 33*, 1-21.

Kim, S., Beretvas, S. N., Sherry, A. R. (2010). A validation of the factor structure of OQ-45 scores using factor mixture modeling. *Measurement and Evaluation in Counseling and Development, 42*, 275-295.

Wolff Smith, L. J., & Beretvas, S. N. (2009). Estimation of the standardized mean difference for repeated measures designs. *Journal of Modern Applied Statistical Methods, 8*, 600-609.

Riviello, C., & Beretvas, S. N. (2009). Detecting lag-one autocorrelation in interrupted time series experiments with small datasets. *Journal of Modern Applied Statistical Methods, 8*, 469-477.

Beretvas, S. N., & Chung, H. (2008). An evaluation of modified change-in-R^2 effect size indices for single-subject experimental designs. *Evidence-Based Communication Assessment and Intervention, 2*, 120-128.

Beretvas, S. N., & Chung, H. (2008). A review of single-subject design meta-analyses: Methodological issues and practice. *Evidence-Based Communication Assessment and Intervention, 2*, 129-141.

Allua, S., & Stapleton, L. M., Beretvas, S. N. (2008). Testing Latent Mean Differences Between Observed and Unobserved Groups using Multilevel Factor Mixture Models. *Educational and Psychological Measurement, 68*, 357-378.

Beretvas, S. N., Suizzo, M., Durham, J. & Yarnell, L. M. (2008). A reliability generalization study of scores on Rotter's and Nowicki-Strickland's locus of control scales. *Educational and Psychological Measurement, 68,* 97-119.

Machalicek, W., O'Reilly, M.F., Beretvas, S. N., et al. (2008). A review of school-based instructional interventions for students with autism spectrum disorders. *Research in Autism Spectrum Disorders, 2,* 395-416.

Machalicek, W., O'Reilly, M.F., Beretvas, S. N., Sigafoos, J., & Lancioni, G. (2007). A review of interventions to reduce challenging behavior in school settings for students with autism spectrum disorders. *Research in Autism Spectrum Disorders, 1*(3), 229-246.

Beretvas, S. N., & Furlow, C. F. (2006).Evaluation of an approximate method for synthesizing covariance matrices for use in meta-analytic SEM. *Structural Equation Modeling, 13,* 153-185.

Beretvas, S. N. (2006). Profiles in research: Ingram Olkin. *Journal of Educational and Behavioral Statistics, 31,* 357-375.

Meyers, J. L., & Beretvas, S. N. (2006). The impact of inappropriate modeling of cross-classified data structures. *Multivariate Behavioral Research, 41,* 473-497.

Pastor, D. A., & Beretvas, S. N. (2006). Longitudinal Rasch modeling in the context of psychotherapy outcomes assessment. *Applied Psychological Measurement, 30,* 100-120.

Williams, N. J., & Beretvas, S. N. (2006). DIF identification using HGLM for polytomous items. *Applied Psychological Measurement, 30,* 22-42.

Beretvas, S. N. (2005). Methodological challenges encountered in summarizing evidence-based practice, *School Psychology Quarterly, 20,* 498-503.

Beretvas, S. N., Meyers, J. L., & Rodriguez, R. A. (2005). The cross-classified multilevel measurement model: An Explanation and demonstration. *Journal of Applied Measurement, 6,* 322-341.

Beretvas, S. N., & Kamata, A. (2005). Introduction to the special issue on the multilevel measurement model. *Journal of Applied Measurement, 6,* 247-254.

Furlow, C. F., & Beretvas, S. N. (2005). Meta-Analytic Methods of Pooling Correlation Matrices for Structural Equation Modeling Under Different Patterns of Missing Data. *Psychological Methods, 10,* 227-254.

Beretvas, S. N. (2005). S. Natasha Beretvas' review in an editorial entitled Revealing an Exchange between authors and reviewers about statistical

significance by Alvermann, D. E., & Reinking, D. (2005). *Reading Research Quarterly, 40*, 7-8.

Leite, W. L., & Beretvas, S. N. (2005). Validation of scores on the Marlowe-Crowne social desirability scale and the balanced inventory of desirable responding. *Educational and Psychological Measurement, 65*, 140-154.

Summers, J. J., Beretvas, S. N., Svinicki, M. D., & Gorin, J. S. (2005). Evaluating Collaborative Learning and Community. *Journal of Experimental Education, 73*, 165-188.

Hoffman, J., Roller, C., Maloch, B., Sailors, M., Duffy, G., & Beretvas, S. N., & the National Commission on Excellence in Elementary Teacher Preparation for Reading (2005). Teachers' preparation to teach reading and their experiences and practices in the first three years of teaching. *Elementary School Journal, 105*, 267-287.

Beretvas, S. N. (2004). Comparison of Bookmark difficulty locations under different item response models. *Applied Psychological Measurement, 28*, 25-47.

Beretvas, S. N. (2004).Using hierarchical linear modeling for literacy research under No Child Left Behind, *Reading Research Quarterly, 39*, 95-99.

Beretvas, S. N., & Williams, N. J. (2004). The Use of HGLM as an item dimensionality assessment. *Journal of Educational Measurement, 41*, 379-395.

Beretvas, S. N., & Robinson, D. H. (2004). How are effect sizes and p-values interpreted by professors of education? *Research in the Schools, 11*, 41-50.

Rochlen, A., Beretvas, S. N., & Zack, J. S. (2004). The on-line and face-to-face counseling scales: A validation study. *Measurement and Evaluation in Counseling and Development, 37*, 95-112.

Hoffman, J., Beretvas, S. N., Pearson, P. D., Hugo, C., & Mathee, B. (2004). Improving Literacy Instruction in South African Schools. *The Thinking Classroom, 5*, 27-33.

Hoffman, J. V., Sailors, M., Duffy, G. R., Beretvas, S. N. (2004). The effective elementary classroom literacy environment: Examining the validity of the TEX-IN3 observation system. *Journal of Literacy Research, 36*, p. 303-334.

Beretvas, S. N., & Pastor, D. (2003). Using mixed-effects models in reliability generalization studies. *Educational and Psychological Measurement, 63*, 75-95.

Walker, C. M., & Beretvas, S. N. (2003). Comparing multidimensional and unidimensional proficiency classifications: Multidimensional IRT as a diagnostic aid. *Journal of Educational Measurement, 40*, 255-275.

Robinson, D. H., Whittaker, T. A., Williams, N. J., & Beretvas, S. N. (2003).It's not the effect sizes so much as comments about their magnitude that mislead readers. *Journal of Experimental Education, 72*, 51-64.

Beretvas, S. N., Meyers, J. L., & Leite, W. L. (2002). A reliability generalization study of the Marlowe-Crowne social desirability scale. *Educational and Psychological Measurement, 62*, 570-589.

Miller, G. E. & Beretvas, S. N. (2002). Moving the cut score on Rasch scored tests. *Journal of Applied Measurement, 3*, 272-281.

McCutchen, D., Abbott, R. D., Green, L. B., Beretvas, S. N. et al. (2002). Beginning literacy: Links among teacher knowledge, teacher practice, and student learning. *Journal of Learning Disabilities, 35*, 69-86.

Walker, C. M., & Beretvas, S. N. (2001). An empirical investigation demonstrating the multidimensional DIF paradigm: A cognitive explanation for DIF. *Journal of Educational Measurement, 38*, 174-163.

Klockars, A. J., & Beretvas, S. N. (2001). Analysis of covariance and randomized blocks with heterogeneous slopes. *Journal of Experimental Education, 69*, 393-410.

Walker, C. M., Beretvas, S. N., & Ackerman, T. A. (2001). An examination of conditioning variables used in computer adaptive testing for DIF analyses. *Applied Measurement in Education, 14*, 3-16.

Klockars, A. J., Salcedo Potter, N., Beretvas, S. N. (1999). Power to detect additive treatment effects with randomized block and analysis of covariance designs. *Journal of Experimental Education, 67*, 180-191.

Manuscripts in Press

Beretvas, S. N., & Walker, C. M. (in press). Distinguishing differential testlet functioning from differential bundle functioning using the multilevel measurement model. Manuscript accepted for publication to *Educational and Psychological Measurement*.

Chung, H., & Beretvas, S. N. (in press). The impact of ignoring multiple membership data structures in multilevel models. Manuscript accepted for publication in *British Journal of Mathematical and Statistical Psychology*.

Leite, W. L., Beretvas, S. N., & Denny, A. (in press). The performance of multiple imputation for Likert-type items with missing data. *Journal of Modern Applied Statistical Methods.*

Murphy, D., Beretvas, S. N., & Pituch, K. (in press). The effects of serial correlation on the curve-of-factors growth model. *Structural Equation Modeling*.

Furlow, C. F, & Beretvas, S. N. (in press). An evaluation of multiple imputation for meta-analytic structural equation modeling. *Journal of Modern Applied Statistical Methods*.

Manuscripts under Review

Beretvas, S. N., & Murphy, D. L. (2011, submitted). An evaluation of the performance of information criteria for correct cross-classified random effects model selection. Manuscript submitted for publication to the *Journal of Modern Applied Statistical Methods*.

Whittaker, T. A., Beretvas, S. N., & Falbo, T. (2009, submitted). Dyadic curve-of-factors model: An introduction and illustration of a model for longitudinal dyadic data. Manuscript re-submitted to *Structural Equation Modeling*.

Lockhart, L. L., Beretvas, S. N., Cawthon, S. W., & Kaye, A. (2011, submitted). Assessing impact, DIF and DFF in accommodated item scores: A comparison of multilevel measurement model parameterizations. Manuscript submitted for publication to *Educational and Psychological Measurement*.

Cawthon, S., Lockhart, L. L., Beretvas, S. N., Kaye, A. (2011, submitted). Factorial validity assessment of opportunity to learn measures using 4th Grade NAEP indicators. Manuscript submitted to the *Journal of School Psychology*.

Papers at National Research Conferences

To be presented

Beretvas, S. N., Stapleton, L. M., & Loukas, A. (2011). *Using multilevel mixture modeling to estimate indirect effects conditional on latent class membership*. Paper to be presented at the annual meeting of the American Psychological Association, Washington, D.C.

Presented

Beretvas, S. N. (2011). *Estimation of nonlinear trajectories for multiple baseline design data*. Paper to be presented at the annual meeting of the American Educational Research Association, New Orléans, LA.

Beretvas, S. N., & Wang, D. (2011). *Synthesis of count data outcome trajectories in single-subjects' experimental design studies*. Paper to be presented at the annual meeting of the American Educational Research Association, New Orléans, LA.

Beretvas, S. N., & Lockhart, L. L. (2011). *Testing sample size limits for the estimation of growth mixture models*. Paper to be presented at the annual meeting of the American Educational Research Association, New Orléans, LA.

Cawthon, S. W., Beretvas, S. N., Kaye, A., & Lockhart, L. L. (2011). Effects of linguistic complexity and accommodations on NAEP item difficulty for students with learning disabilities. Paper to be presented at the annual meeting of the American Educational Research Association, New Orléans, LA.

Bandalos, D. L., Beretvas, S. N., & Taylor, C. *A general framework for assessing DIF using factor mixture models*. Paper to be presented at the annual meeting of the American Educational Research Association, New Orléans, LA.

Smith, L. J., & Beretvas, S. N. (2011). *Comparison of the effects of models and techniques for handling student mobility*. Paper to be presented at the annual meeting of the American Educational Research Association, New Orléans, LA.

Chung, H., & Beretvas, S. N. (2011). A comparison of longitudinal data analysis methods for modeling student mobility. Paper to be presented at the annual meeting of the American Educational Research Association, New Orléans, LA.

Grady, M. W., & Beretvas, S. N. (2011). Modeling achievement in the presence of student mobility: A growth curve model for multiple membership data. Paper to be presented at the annual meeting of the American Educational Research Association, New Orléans, LA.

Beretvas, S. N., & Walker, C. M. (2010). Extending the multilevel measurement model for differential testlet functioning identification: A demonstration and evaluation. Paper presented at the annual meeting of the National Council on Measurement in Education, Denver, CO.

Murphy, D., & Beretvas, S. N. (2010). *An evaluation of the performance of information criteria for correct cross-classified random effects model selection*. Paper presented at the annual meeting of the American Educational Research Association, Denver, CO.

Beretvas, S. N., & Leite, W. L. (2010). *A Comparison of multiple-membership and cross-classified random effects models*. Paper presented at the annual meeting of the American Educational Research Association, Denver, CO.

Murphy, D., Beretvas, S. N., & Pituch, K., (2010). *The effects of serial correlation on the curve-of-factors growth model*. Paper presented at the annual meeting of the American Educational Research Association, Denver, CO.

Cawthon, S., Beretvas, S. N., Lockhart, L. L. III, & Kaye, A. (2010) *Factorial validity assessment of opportunity to learn measures using 4th grade NAEP indicators*. Paper presented at the annual meeting of the American Educational Research Association, Denver, CO.

Grady, M., & Beretvas, S. N. (2010). *Incorporating student mobility in achievement growth modeling: A cross-classified multiple membership growth curve model*. Paper presented at the annual meeting of the American Educational Research Association, Denver, CO.

Smith, L. J., & Beretvas, S. N. (2010). *Estimation of the standardized mean difference for repeated measures designs*. Paper presented at the annual meeting of the American Educational Research Association, Denver, CO.

Chen, T-A., & Beretvas, S. N. (2010). *A comparison of two multilevel testlet models*. Paper presented at the annual meeting of the American Educational Research Association, Denver, CO.

Chung, H., & Beretvas, S. N. (2010) *Addressing student mobility in educational data: A comparison of methods for handling multiple-membership data structures*. Paper presented at the annual meeting of the American Educational Research Association, Denver, CO.

Beretvas, S. N., & Chung, H. (2010). *Modeling within-study dependence in multiple-baseline designs meta-analysis*. Paper presented at the annual meeting of the American Educational Research Association, Denver, CO.

Lockhart, L., Beretvas, S. N., Cawthon, S., & Kaye, A. (2010). *A multilevel measurement model that assesses whether accommodations moderate linguistic complexity's effect on items' difficulties*. Poster presented at the annual meeting of the National Council on Measurement in Education, Denver, CO.

Chung, H., & Beretvas, S. N. (2010). *A comparison of methods for handling cross-classified multiple-membership data structures in longitudinal datasets*. Paper presented at the American Psychological Association in San Diego, CA.

Beretvas, S. N., Meyers, J. L., Chung, H. (2009). *Modeling rater severity using multiple membership cross-classified random effects models*. Paper presented at the annual meeting of the American Educational Research Association, San Diego, CA.

Wang, D., & Beretvas, S. N. (2009). *Testing the heterogeneity of coefficient alpha: A type I error and power analysis*. Paper presented at the annual meeting of the American Educational Research Association, San Diego, CA.

Beretvas, S. N. (2009). *Demonstration of fixed-effects model alternatives for synthesizing correlation and covariance matrices*. Invited paper presented at the annual meeting of the Association for Psychological Science, San Francisco, CA.

Kim, S.-H., Beretvas, S. N., & Sherry, A. (2008, August). *The process involved in factor mixture model selection*. Paper presented at the annual meeting of the American Psychological Association, Boston, MA.

Kim, S.-H., Sherry, A., & Beretvas, S. N. (2008, August). The dose-effect relationship in college counseling centers. Paper presented at the annual meeting of the American Psychological Association, Boston, MA.

Beretvas, S. N., Chung, H., Machalicek, W., & Riviello, C. (2008, May) *Computation of Regression-Based Effect Size Measures*. Paper presented at the 8th Annual International Campbell Collaboration Colloquium in Vancouver, Canada.

Beretvas, S. N., & Chung, H. (2007, May). *R-squared change effect size estimates for single-subject meta-analyses*. Paper presented at the 7th Annual International Campbell Collaboration Colloquium in London, England.

Keng, L., Leite, W. L., & Beretvas, S. N. (2008, March). *Comparing Growth Mixture Models when Measuring Latent Constructs with Multiple Indicators*. Paper presented at the annual meeting of the American Educational Research Association, New York, NY.

Furlow, C. F., & Beretvas, S. N. (2008, March). *Selection of an Appropriate Sample Size for Meta-Analytic Structural Equation Modeling with Missing Data*. Paper presented at the annual meeting of the American Educational Research Association, New York, NY.

Machalicek, W. A., O'Reilly, M. F., Beretvas, S. N., Sigafoos J., & Lancioni, G. (2007**,** February)**.** *Students with autism aged 3-21 years: A ten year review of the treatment of challenging behavior in school settings.* Paper presented at the Association for Behavior Analysis International Conference on Autism, Boston, MA.

Machalicek, W., O'Reilly, M., Beretvas, S. N., Sigafoos, J., & Lancioni, G. (2007, February). *A review of interventions to reduce challenging behavior in school settings for students with autism spectrum disorders*. Poster presented at Progress and Challenges in the Behavioral Treatment of Autism, Boston, MA.

Li, Xin, & Beretvas, S. N. (2006, August). *Assessing and Correcting for Publication Bias: A Description and Comparison*. Paper presented at the American Psychological Association in New Orléans, LA.

Furlow, C. F., Beretvas, S. N., & Keng, L. (2006, August). *Effective sample size for use with meta-analytic structural equation modeling with different patterns of missing data*. Paper presented at the annual APA meeting, New Orléans, LA.

Beretvas, S. N. (2006, June). *Meta-analysis of single-subject designs*. Invited paper presented at the annual meeting of the Institute of Education Sciences, Washington, DC.

Allua, S., Beretvas, S. N., & Stapleton, L. M. (2006, April). *Measurement invariance revisited: A demonstration of a series of multilevel CFA models*. Paper presented at the annual AERA meeting, San Francisco, CA.

Whittaker, T., Beretvas, S. N., & Leite, W. L. (2006, April). *A model for longitudinal dyadic data: A comparison using HLM versus SEM*. Paper presented at the annual AERA meeting, San Francisco, CA.

Pituch, K. A., Stapleton, L. M., & Beretvas, S. N. (2006, April). *A comparison of multilevel mediation analysis methods in the presence of nonnormal data.* Paper presented at the annual meeting of the American Educational Research Association, San Francisco, CA.

Beretvas, S. N. (2005, August). *Methodological dilemmas encountered in meta-analytic SEM: An evaluation and review*. Paper presented at the annual APA meeting, Washington, DC.

Weisgram, E., & Beretvas, S. N. (2005, August). *Evaluation of meta-analytic methods used to calculate composite effect sizes*. Paper presented at the annual APA meeting, Washington, DC.

Beretvas, S. N., & Furlow, C. F. (2005, April). *Covariance Matrix Synthesis for Meta-Analytic SEM with Missing Data: An Evaluation and Demonstration for Educational Researchers*. Paper presented at the annual AERA meeting, Montréal, Canada.

Keng, L., & Beretvas, S. N. (2005, April). *The impact of publication bias on correlation estimation*. Paper presented at the annual AERA meeting, Montréal, Canada.

Beretvas, S. N., & Furlow, C. F. (2004, April). *Evaluation of an approximate method for synthesizing covariance matrices for use in meta-analytic SEM*. Paper presented at the annual AERA meeting, San Diego, CA.

Leite, W. L., & Beretvas, S. N. (2004, April). *The performance of multiple imputation for Likert-type items with missing data*. Paper presented at the annual AERA meeting, San Diego, CA.

Shin, S., & Beretvas, S. N. (2004, April). *Item analysis of a polytomous nonlinear mixed model using SAS PROC NLMIXED*. Paper presented at the annual AERA meeting, San Diego, CA.

Beretvas, S. N. (2004, August). *Methodological challenges and solutions in evidence-based practice*. Paper presented at the annual APA meeting, Honolulu, Hawaii.

Sailors, M., Beretvas, S. N., Hoffman, J. V., & Pearson, P. D. (2003, December). *International perspectives on literacy instruction and literacy teacher education –*

South Africa. Paper presented at the annual meeting of the National Reading Conference, Scottsdale, AZ.

Beretvas, S. N., Hoffman, J. V., & Pearson, P. D. (2003, December). *Findings from the evaluation of the million learner project: Years 1 through 3*. Paper presented at the annual meeting of the National Reading Conference, Scottsdale, AZ.

Sailors, M., & Beretvas, S. N. (2003, December). *The effects of first and second language instruction in South African rural schools*. Paper presented at the annual meeting of the National Reading Conference, Scottsdale, AZ.

Carlson, C., Beretvas, S. N., McCarthy, C. (2003, August). *Reconciling Family Systems and Parenting Style Approaches in Measurement*. Poster presented at the annual APA meeting, Toronto, CA.

Beretvas, S. N., & Furlow, C. (2003, April). *An evalution of meta-analytic techniques for pooling Correlation Matrices*. Paper presented at the annual AERA meeting, Chicago, IL.

Pastor, D. A., & Beretvas, S. N. (2003, April). *An Illustration of Longitudinal Rasch Modeling in the Context of Psychotherapy Outcomes Assessment*. Paper presented at the annual meeting of the National Council on Measurement in Education, Chicago, IL.

Williams, N. J., & Beretvas, S. N. (2003, April). *Parameter estimation under HGLM versus IRT for polytomous items*. Paper presented at the Annual AERA meeting, Chicago, IL.

Shin, S-H., & Beretvas, S. N. (2003, April). *Effects of error covariance modeling using the linear mixed model with longitudinal data*. Paper presented at the Annual AERA meeting, Chicago, IL.

Meyers, J. L, & Beretvas, S. N. (2003, April). *Type I error rates and power of three variations of Scheffé's multiple comparison procedure*. Paper presented at the Annual AERA meeting, Chicago, IL.

Leite, W. L., & Beretvas, S. N. (2003, April). *A Construct Validation Study of the Marlowe-Crowne Social Desirability Scale and the Balanced Inventory of Desirable Responding*. Paper presented at the Annual AERA meeting, Chicago, IL.

Green, V. J., & Beretvas, S. N. (2003, April). *The influence of gender and group composition on resource use among unfamiliar peers*. Paper presented at the biennial meeting of the Society for Research in Child Development, Tampa, FL.

Beretvas, S. N., Pearson, P. D., & Hoffman, J. (2003). *Year 3 Progress Report on the Evaluation of the Read Business Trust Project*. Paper presented at the Third Pan-African Conference on Reading for All, Kampala, Uganda.

Pearce, J., Schmidt, K, & Beretvas, S. N. (2003). *In-Class Demonstrations to Make Electrical Circuits Easier to Understand*. Paper presented at the annual meeting of the American Society for Electrical Engineers, Nashville, TE.

Beretvas, S. N., & Williams, N. J. (2002, April). *The Use of HGLM as a Dimensionality Assessment*. Paper presented at the annual AERA meeting, New Orleans, LA.

Beretvas, S. N., & Whittaker, T. A. (2002, April). *Consistency of Bookmark Standard-Setting Outcomes: Difficulty Locations and Proficiency Levels*. Paper presented at the annual AERA meeting, New Orleans, LA.

Zack, J. S., & Beretvas, S. N. (2002, August). *Development of the Attitudes Toward Online Counseling Services Scale*. Paper presented at the annual APA meeting, Chicago, IL.

Beretvas, S. N., & Bravo, M. (2001, August). *Development of the cognitions about technology inventory*. Paper presented at the annual APA meeting, San Francisco, CA.

Summers, J., Beretvas, S. N., Gorin, J., & Svinicki, M. (2001, August). *Tools for evaluating cooperative learning in higher education*. Poster presented at the annual APA meeting, San Francisco, CA.

Beretvas, S. N. & Walker, C. M. (2000, April). *Proficiency level classifications compared using Rasch versus non-Rasch models*. Paper presented at the annual AERA meeting, New Orleans, LA.

Walker, C. M. & Beretvas, S. N. (2000, April). *Using multidimensional versus unidimensional ability estimates to determine student proficiency in mathematics*. Paper presented at the annual AERA meeting, New Orleans, LA.

Hirschstein, M & Beretvas, S. N. (2000, April). *A multilevel analysis of effects of a social-emotional learning program, Second Step, on students and teachers*. Paper presented at the annual meeting of the American Educational Association, New Orleans, LA.

Walker, C. M., Beretvas, S. N., & Ackerman, T. A. (1999, April). *An examination of conditioning variables in DIF analyses in a computer adaptive testing situation*. Paper presented at the annual meeting of the National Council of Measurement in Education, Montreal, Canada.

McCutchen, D., Abbott, R. D., & Beretvas, S. N. (1999, April). *Beginning literacy: Changing teacher knowledge and student learning*. Paper presented at the annual meeting of the Society for the Scientific Study of Reading, Montreal, Canada.

Klockars, A. J. & Beretvas, S. N. (1998, March). *Randomized blocks and analysis of covariance for identifying additive treatment effects and interaction with heterogeneous slopes*. Paper presented at the annual AERA meeting, San Diego, CA.

Klockars, A. J. & Beretvas, S. N. (1997, March). *Power to detect additive treatment effects with randomized block designs*. Paper presented at the annual AERA meeting, Chicago, IL.

Workshops/Short Courses

June, 2011 Invited to serve as faculty member teaching at the *AERA Faculty Institute for the Teaching of Statistics with Large-Scale Data Sets* on June 14-17, 2011 at Stanford University

July, 2010 Provided two-hour workshop on *Mediation Models* as part of the Institute for Education Sciences two-week *Summer Research Training Institute on Cluster-Randomized Trials* at Northwestern University.

Multilevel modeling

2008, March	AERA, New York, NY	Beretvas, S. N.
2006, August	AERA, San Francisco, CA	Beretvas, S. N., & Roberts, J. K.
2006, April	APA, New Orléans, LA	Beretvas, S. N., & Roberts, J. K.
2006, February	SERA, Austin, TX	Beretvas, S. N., & Roberts, J. K.
2005, April	AERA, Montréal, Canada	Beretvas, S. N., & Roberts, J. K.
2005, February	SERA, New Orléans, LA.	Beretvas, S. N., & Roberts, J. K.
2003, February	SERA, San Antonio, TX	Beretvas, S. N., & Pituch, K.
2002, May	IRA, San Francisco, CA	Beretvas, S. N.
1999, December	WERA, Tacoma, WA	Beretvas, S. N.

External Research Grants

Institute of Education Sciences

Status: One of three PIs; Funded starting summer, 2011.
Title: *Multilevel synthesis of single-case experimental data: Further developments and empirical validation*
Funding: $899, 559 total; $262,622 for UT.
Duration: Summer, 2011 – Summer, 2014.

Institute of Education Sciences

Status: PI; Completed.
Co-PIs: Drs. Jeff Sigafoos and Mark O'Reilly, Department of Special Education, UT.
Title: *Methodological investigation of meta-analytic techniques used to synthesize single-case research design results*
Funding: $167,758.
Duration: Spring, Summer and Fall, 2006.

American Educational Research Association
Status: PI; Completed.
Title: *Extension of the Hierarchical Generalized Linear Model for Validation of Test Scores' Psychometric Functioning*
Funding: $19,473.
Duration: May through December, 2003.

Administrative and Committee Service to the Nation, University and Department

National Service

October, 2010 Invited to participate in a working meeting funded by IES entitled "*Single-Case Research Conference*" at the University of Madison, Wisconsin.

September, 2010 Invited to participate in a working meeting funded by NSF entitled "*Continuity across family and school systems to promote the learning and development of children and adolescents*" at the University of Nebraska.

January, 2010 Invited to provide one of the four presentations given at a working group meeting gathered by the Institute of Education Sciences on *Advancing the Design and Analysis of Single Case Research*. Only ten statisticians and research design specialists were invited to attend.

2005-2010 Served as tenure/promotion reviewer for ten different faculty members.

2010 Served as a member of AERA Division D's Editorial committee

2007-2009 Served two terms as President of the *Educational Statisticians' SIG* of AERA.

Scholarly Review Activities

Associate Editor

Journal of Educational Psychology	2011-ongoing
Journal of School Psychology	May, 2011-ongoing

Editorial Review Board

Current Drug Abuse Reviews	2008-ongoing
Structural Equation Modeling,	2007-ongoing
Journal of Advanced Academics,	2007-ongoing
American Educational Research Journal,	2004-ongoing
Educational and Psychological Measurement,	2002-ongoing
Reading Research Quarterly,	2002-ongoing
Journal of Educational Psychology,	2007-2010

Special Issue Guest Editor

Co-editor of a special issue in the *Journal of Applied Measurement* on the *Multilevel Measurement Model*.

Ad hoc Reviewer

American Statistician	2006
Applied Psychological Measurement	2004-2007
Behavior Research Methods	2008, 2010
Behavior Therapy	2010
British Journal of Mathematical and Statistical Psychology	2007-2010
Contemporary Educational Psychology	2001
Elementary School Journal	2009
Journal of Advanced Academics	2006, 2007
Journal of Aphasiology	1999
Journal of Educational and Behavioral Statistics	2005, 2008, 2009
Journal of Educational Measurement	2001, 2002, 2005-2010
Journal of Educational Psychology	2002, 2005-2007, 2010
Journal of Experimental Education	2003
Journal of Sport Management	2003
Methodology	*2010*
Multivariate Behavioral Research	2007-2010
National Reading Conference Yearbook	2003
Psicothema	2009
Psychological Methods	2003-2010
Psychometrika	2004-2008
Structural Equation Modeling	2005, 2006
Sociological Methods and Research	2009, 2010

Federal Grant Review Panel Reviewer

2008-2011 Member, *Statistics and Modeling* peer review panel for the Institute of Education Sciences

2008 Served as proposal reviewer for NSF: *Methodology, Measurement and Statistics* proposals

American Educational Research Association Research Panels

2011 AERA-Division D2 (Quantitative Methods and Statistical Theory),
Educational Statisticians special interest group (SIG),
Hierarchical Linear Modeling SIG
Structural Equation Modeling SIG

2010 AERA-Division D2 (Quantitative Methods and Statistical Theory),
Hierarchical Linear Modeling SIG,
AERA-C3 (Learning and Instruction - Mathematics

Conference Proposal Reviewer

2010	Society of Research on Educational Effectiveness (SREE)
2000-2009	NCME AERA Division D SEM SIG HLM SIG

Program Chair

2011-2012	Asked to serve as Program Chair for AERA-Division D Section 2 (Quantitative Methods and Statistical Theory)
2007-2008	Served as Program Co-chair for annual meeting of the *National Council of Measurement in Education* in New York City, NY.
2006-2007	Chaired program for the *Educational Statisticians SIG* of AERA.
2004-2005	Chaired program for the *Hierarchical Linear Modeling SIG* of AERA.
2003, 2004	Chaired Division III (Methodology, Measurement and Evaluation) program for SERA

Honors and Other Evidence of Merit or Recognition

2009	Recipient of the University's Regents' Outstanding teaching award ($30,000) for undergraduate teaching.
2004-2006	Selected three years in a row as an "Outstanding Reviewer" for editorial board membership contributions to the *American Educational Research Journal: Teaching, Learning, Human Development*.
1998	Graduate Student Leadership Award (University of Washington, Seattle).

Students' National Awards

2011	Lindsey Smith awarded Educational Statisticians' SIG graduate student paper award
2011	HwaYoung Lee awarded fourth place in research award from AERA Division D for graduate student research gala
2010	Tzu-An Chen awarded third place in research award from AERA Division D for graduate student research gala
2006	Jason Meyers awarded AERA dissertation award.